AMENDMENTS TO THE CLAIMS

The following listing of claims replaces all prior listings of claims in this application.

1. (Currently Amended) A set of telecommunications test plugs for use with twisted pair cable having N wires arranged in N/2 pairs, the set of telecommunications test plugs comprising:

a first plug housing;

a first plug board contained within the first plug housing, the first plug board including:

a plurality of wire connection points, each for establishing electrical connection with one of said N wires;

a plurality of contact pads;

a plurality of circuit traces including primary circuit traces establishing electrical connection between the wire connection points and the contact pads; said circuit traces being positioned to establish first predefined near end crosstalk between at least two of said pairs, said first predefined near end crosstalk being at a first level of a first defined range; ; and

a plurality of electrical contacts in electrical connection with the contact pads, the electrical contacts extending through slots for in the first plug housing, the electrical contacts for making electrical contact with pins in an outlet;

a second plug housing;

a second plug board contained within the second plug housing, the second plug board including:

a plurality of wire connection points, each for establishing electrical connection with one of said N wires;

a plurality of contact pads;

a plurality of circuit traces including primary circuit traces establishing electrical connection between the wire connection points and the contact pads; said circuit traces being positioned to establish second predefined near end crosstalk between said at least two of said pairs, said second predefined near

end crosstalk being at a second level of a second defined range, said second level being higher than said first level.

2. (Original) The set of telecommunications test plugs of claim 1 wherein:
said first defined range is the same as said second defined range.

3. (Original) The set of telecommunications test plugs of claim 2 wherein:
said first defined range and said second defined range are defined by Category 5e.

4. (Original) The set of telecommunications test plugs of claim 3 wherein:
said first predefined near end crosstalk corresponds to near end crosstalk between a split pair of wires and the second predefined near end crosstalk corresponds to near end crosstalk between said split pair of wires.

5. (Original) The set of telecommunications test plugs of claim 3 wherein:
said first predefined near end crosstalk corresponds to near end crosstalk between a split pair of wires and at least one additional pair of wires and said second predefined near end crosstalk corresponds to near end crosstalk between said split pair of wires.

6. (Original) The set of telecommunications test plugs of claim 2 wherein:
said first defined range and said second defined range are defined by Category 6.

7. (Original) The set of telecommunications test plugs of claim 6 wherein:
said first predefined near end crosstalk corresponds to near end crosstalk between a split pair of wires and the second predefined near end crosstalk corresponds to near end crosstalk between said split pair of wires.

8. (Currently Amended) A telecommunications plug for use with twisted pair cable having N wires arranged in N/2 pairs, the telecommunications plug comprising:

a first plug housing;

a first plug board contained within the first plug housing, the first plug board including:

a plurality of wire connection points, each for establishing electrical connection with one of said N wires;

a plurality of contact pads;

a plurality of circuit traces including primary circuit traces establishing electrical connection between the wire connection points and the contact pads; said circuit traces being positioned to establish first predefined near end crosstalk between at least two of said pairs, said first predefined near end crosstalk (NEXT) being at a first level of a first defined range; and

a plurality of electrical contacts in electrical connection with the contact pads, the electrical contacts extending through slots for in the first plug housing, the electrical contacts for making electrical contact with pins in an outlet.

9. (Previously Presented) The telecommunications plug of claim 8, wherein said circuit traces are positioned to provide a predefined return loss.

10. (Previously Presented) The telecommunications plug of claim 8, wherein said circuit traces are positioned to provide a predefined far end crosstalk (FEXT).

11. (Previously Presented) The telecommunications plug of claim 8, wherein said circuit traces are positioned to provide a predefined balance.

12. (Previously Presented) The telecommunications plug of claim 8, wherein said circuit traces are positioned to meet low end NEXT requirements of category 6.

13. (Previously Presented) The telecommunications plug of claim 8, wherein said circuit traces are positioned to meet high end NEXT requirements of category 6.

14. (Currently Amended) A pair of telecommunications plugs for use with twisted pair cable having N wires arranged in N/2 pairs, the telecommunications plugs comprising:

a first plug housing;

a first plug board contained within the first plug housing, the first plug board including:

a plurality of wire connection points, each for establishing electrical connection with one of said N wires;

a plurality of contact pads;

a plurality of circuit traces including primary circuit traces establishing electrical connection between the wire connection points and the contact pads; said circuit traces being positioned to establish first transmission levels between at least two of said pairs, said first transmission levels being at a first level of a first defined range; ; and

a plurality of electrical contacts in electrical connection with the contact pads, the electrical contacts extending through slots for in the first plug housing, the electrical contacts for making electrical contact with pins in an outlet;

a second plug housing;

a second plug board contained within the second plug housing, the second plug board including:

a plurality of wire connection points, each for establishing electrical connection with one of said N wires;

a plurality of contact pads;

a plurality of circuit traces including primary circuit traces establishing electrical connection between the wire connection points and the contact pads; said circuit traces being positioned to establish second transmission levels between at least two of said pairs, said second transmission levels being at a

second level of a first defined range, the second level being different than the first level.

15. (Previously Presented) The telecommunications plugs of claim 14, wherein said circuit traces on one of said first plug board and said second plug board are positioned to provide a predefined return loss.

16. (Previously Presented) The telecommunications plugs of claim 14, wherein said circuit traces on one of said first plug board and said second plug board are positioned to provide a predefined far end crosstalk (FEXT).

17. (Previously Presented) The telecommunications plugs of claim 14, wherein said circuit traces on one of said first plug board and said second plug board are positioned to provide a predefined balance.

18. (Previously Presented) The telecommunications plugs of claim 14, wherein said circuit traces on said first plug board are positioned to meet low end requirements of category 6 and said circuit traces on said second plug board are positioned to meet high end requirements of category 6.

19. (Previously Presented) The telecommunications plugs of claim 14 wherein the transmission levels are defined by near end crosstalk.